

reduced in number, and especially, since the height of the base unit **100** can be minimized, the base unit **100** can be slim.

[0275] The display LCD **149** is mounted on the button board **148**. A signal connection with other elements of the button board **148** or a circuit pattern is made by the connection terminal **149t**. The board connection unit **149p** connected with the button board **148** is formed in parallel with the upper surface of the button board **148**.

[0276] Thus, the connection terminal **149t** is mounted as the board connection unit **149p** is directly soldered to the surface of the button board **148**.

[0277] Thus, since the connection terminal **149t** is directly soldered to the upper surface of the button board **148** without forming a mounting hole, it is not necessary to form a mounting hole at the button board **148**.

[0278] Thus, the mounting space of the button board **148** can be more effectively used. In addition, since no mounting hole is formed, a lower surface of the button board **148** using both sides thereof can be effectively used.

[0279] Moreover, since the board connection unit **149p** of the connection terminal **149t** is formed in parallel to the surface of the board **148**, the display LCD **149** can be mounted at the button board **148** in an automated process without such a process for inserting the connection terminal into a mounting hole as in the conventional art. Thus, its workability can be heightened.

[0280] In addition, no mounting hole is formed to connect the connection terminal **149t** to the button board **148**, occurrence of interference with the main board **140** installed at the lower side of the button board **148** or influence to each other can be minimized. Thus, the space between the main board **140** and the button board **148** can be maintained at the minimum, so that an operation stability of the disk player can be obtained in the thin construction.

[0281] The converting lever **197** is installed to be exposed through the first deco panel **160**. At this time, a guide protrusion **199t** of the shift guide **198** and the drive lever **199** is formed at the rear side of the converting lever **197**, so that the converting lever **197** can be freely moved along the through hole **165** of the first deco panel **160**.

[0282] Thus, since the construction for guiding the movement of the converting lever **197** is formed at the converting lever **197** itself, rather than being formed at the lower housing **110** or the upper housing **120**, and the converting lever **197** is inserted into the through hole **165** formed at the first deco panel **160** and movable, the side of the base unit **100** can be formed more variably.

[0283] Namely, by mounting the first deco panel **160** at the panel mounting portions **111** and **121** of the base unit **100** and installing the converting lever **197** to be movable at the first deco panel **160**, the first deco panel **160** can be formed by a material and color different from the upper housing **120** and the lower housing **110**. Thus, the base unit **100** can have a fine appearance while the function of the converting lever **197** can be sufficiently obtained.

[0284] No part is used to fix with respect to installation of the LED holder **181** in the present invention. The LED holder **181** is fixed by being inserted into the through hole

**120** of the fixing pin **120p** and the front wall **120a** formed at the lower surface of the upper housing **120**. The fixing pin **120p** is inserted into the fixing pin hole **181h** at the rear end of the LED holder **181** and a power display lamp **181'** formed protruded at the front end of the LED holder **181** is inserted into the through hole **120h**.

[0285] In this respect, in order to render the LED holder **181** to be more tightly inserted between the fixing pin **120p** and the through hole **120h**, the elastic slot **181e** is formed at both ends of the fixing pin hole **181h**.

[0286] The elastic slot **181e** allows the fixing pin **120p** to be more easily inserted into the fixing pin hole **181h**. A support leg **181f** of the LED holder **181** is supported on the power board **145** so that the LED holder **181** can be fixed without movement.

[0287] The LED holder **181** includes a light reflecting portion **181r** so that a light coming from the LED **145r** installed at the upper surface of the power board **145** can be effectively transferred to the power display lamp **181** installed at a position perpendicular to the light emitting direction of the LED **145r**.

[0288] As so far described, the portable disk player of the present invention has many advantages.

[0289] That is, for example, first, the display unit is more accurately and surely attached and closed to the base unit and it is easy to separate the display unit from the base unit.

[0290] Secondly, the speaker can be firmly fixed by assembly the cover in a state that the sounding box and the buffering pad are inserted, without a fixing structure, and a sound can be clearly transferred forwardly by the sounding box.

[0291] Thirdly, since the board is mounted by using neighboring structure without having a particular construction, the board can be engaged with the relatively small number of parts. Thus, the parts can be reduced in number, a workability of the assembly operation can be improved, and the entire device can be light, thin and compact.

[0292] Fourthly, the installation position of the pick-up base where the pick-up is installed is set by combination between the guide shaft and the combination pin formed at the upper housing and the lower housing constituting the base unit and supported by the vibration damper of which upper and lower ends are supported by the upper housing and the lower housing to absorb a vibration and a noise. Thus, the thickness of the base unit can be minimized. Thus, it is not necessary to use an engaging unit to fix the pick-up base.

[0293] Fifthly, in order to avoid an interference between the board installed adjacent to the base unit and effectively use the both sides of the board, the connection terminal for a signal connection between the display LCD and the board is directly soldered to the surface of the board. Thus, the both sides of the board can be effectively used, and an interference with an adjacent board can be avoided, so that the base unit can be light, thin and compact.

[0294] Sixthly, various terminals, a dial and a converting lever are installed exposed at the deco panel forming the side of the base unit, and especially, the converting lever is installed to be movable at the deco panel itself. Thus, the